

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Appln . No. 10/550,366

Filed: September 20, 2005

Conf. No. 7973

Applicants: Hu et al.

CERTIFICATE OF MAILING



Title: **AUTOMATED METHOD
FOR IDENTIFYING
LANDMARKS WITHIN
AN IMAGE OF THE
BRAIN**

I hereby certify that this paper (along with a paper referred to as being attached or enclosed) being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Mail Stop **AMENDMENT**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date.

Art Unit: 1744

9/21/06 Kenneth H. Samples
Date

Examiner: Not Yet Assigned

Kenneth H. Samples
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Attorney Docket: 85693

Customer No.: 22242

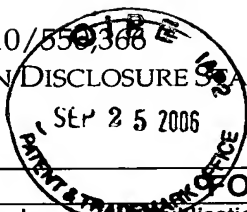
Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with MPEP § 601 and 37 C.F.R. §§ 1.97 and 1.98, Applicant and the undersigned attorney bring the following information with respect to the above-identified application to the attention of the Examiner.

U.S. PATENT DOCUMENTS		
Document Number	Publication Date	Patentee/Applicant
US-6,408,107 B1	06/18/2002	Miller et al.



FOREIGN PATENT DOCUMENTS		
Document Number Number-Kind Code ²	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
WO 02/43003 A1	05/30/2002	Kent Ridge Digital Labs
WO 03/060827 A1	07/24/2003	Kent Ridge Digital Labs

NON PATENT LITERATURE DOCUMENTS	
NOWINSKI, W. L., Modified Talairach Landmarks Technical Report, Acta Neuochir, Springer-Verlag, 2001, 143, Austria, pages 1045-1057.	
COX, Robert W., AFNI: Software for Analysis and Visualization of Functional Magnetic Resonance Neuroimages, Computers and Biomedical Research 29, (1996), Article No. 0014, pages 162-173.	
BRUMMER, Marjin E.; MERSEREAU, Russell M.; EISNER, Robert L. And LEWINE, Richard R. J., Automatic Detection of Brain Contours in MRI Data Sets, IEEE Transactions on Medical Imaging, Vol. 12, No. 2, June 1993, pages 153-166.	
GRACHEV, Igor D.; BERDICHEVSKY, Dmitriy; RAUCH, Scott L., HECKERS, Stephan, KENNEDY, David N., CAVINESS, Verne S. and ALPERT, Nathaniel M., A Method for Assessing the Accuracy of Intersubject Registration of the Human Brain Using Anatomic Landmarks, NeuroImage, 9, 1999, pages 250-268.	
BRINKLEY, J. F. and ROSSE, C., Imaging Informatics and the Human Brain Project: the Role of Structure, Review Paper, Yearbook of Medical Informatics, 2002, pages 131-148.	
NOWINSKI, Wieslaw L., D. SC., Ph.D., and THIRUNAVUUKARASUU, Arumugam, B.Sc., A locus-driven mechanism for rapid and automated atlas-assisted analysis of functional images by using the Brain Atlas for Functional Imaging, Neurosurg Focus 15 (1): Article 3, 2003, Vol. 15, July 2003, pages 1-7.	
NOWINSKI, Wieslaw L., The Cerefy Neuroradiology Atlas: a Talairach-Tournoux atlas-based tool for analysis or neuroimages available over the Internet, NeuroImage 20, 2003, pages 50-57.	
LANCASTER, Jack L., WOLDORFF, Marty G., PARSONS, Lawrence M., LIOTTI, Mario, FREITAS, Catarina S., RAINEY, Lacy, KOCHUNOV, Peter V., NICKERSON, Dan, MIKITTEN, Shawn A. and FOX, Peter T., Automated Talairach Atlas Labels for Functional Brain Mapping, Human Brain Mapping 10, Wiley-Liss, 2000, pages 120-131.	
SANDOR, Stephanie and LEAHY, Richard, Surface-Based Labeling of Cortical Anatomy Using a Deformable Atlas, IEEE Transactions of Medical Imaging, Vol. 16, No. 1, February 1997, pages 41-54.	
MAGNOTTA, Vincent A., BOCKHOLT, H. Jeremy, JOHNSON, Hans J., CHRISTENSEN, Gary E. and ANDREASEN, Subcortical, cerebellar, and magnetic resonance based consistent brain image registration, Science Direct, NeuroImage 19 (2003) pages 233-245.	
NOWINSKI, Wieslaw L., Ph.D.; FANG, Anthony, B.Sc.; NGUYEN, Bonnie T., M.Sc.; RAPHEL, Jose K., Ph.D.; JAGANNATHAN, Lakshimipathy, B.Sc.; RAGHAVAN, Raghu, Ph.D., BRYAN, R. Nick, M.D., Ph.D.; and MILLER, Gerald A., Ph.D., Multiple Brain Atlas Database and Atlas-Based Neuroimaging System, Biomedical paper, Computer Aided Surgery, 2:42-66 (1997).	
ARONEN, H. J.; KORVENOJA, A.; MARTINKAUPPI, S.; PERKIO, J.; KARONEN, J. and CARLSON, S., Clinical Applications of Functional Magnetic Resonance Imaging, International Journal of Bioelectromagnetism, Volume 1, Number 1, pages 23-34.	
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Attorney Docket No. 85693

REMARKS

The above documents are listed on Form PTO/SB/08a which accompanies this Information Disclosure Statement. In accordance with 37 CFR § 1.98(a)(2), enclosed is a copy of each foreign patent document listed.

Pursuant to 37 C.F.R. § 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The Commissioner is hereby authorized to charge any additional fees which may be required with respect to this communication, or credit any overpayment, to Deposit Account No. 06-1135.

Respectfully submitted,
FITCH, EVEN, TABIN & FLANNERY



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Dated: 1/21/04

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PTO/SB/08a Substitute for Form 1449A/PTO		Application Number	10/550,366
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	September 20, 2005
		First Named Inventor	Hu et al.
		Art Unit	1744
		Examiner Name	Not Yet Assigned
Sheet	1 of 2	Attorney Docket	85693

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ²			
		US-6,408,107 B1	06/18/2002	Miller et al.	
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code ³ -Number ⁴ -Kind Code ⁵				
		WO 02/43003 A1	05/30/2002	Kent Ridge Digital Labs		
		WO 03/060827 A1	07/24/2003	Kent Ridge Digital Labs		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08b Substitute for Form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/550,366		
		Filing Date	September 20, 2005		
		First Named Inventor	Hu et al.		
		Art Unit	1744		
		Examiner Name	Not Yet Assigned		
Sheet	2	of	2	Attorney Docket	85693

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		NOWINSKI, W. L., Modified Talairach Landmarks Technical Report, Acta Neuochir, Springer-Verlag, 2001, 143, Austria, pages 1045-1057.	
		COX, Robert W., AFNI: Software for Analysis and Visualization of Functional Magnetic Resonance Neuroimages, Computers and Biomedical Research 29, (1996), Article No. 0014, pages 162-173.	
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